

WHAT IS CLAIMED IS:

1. A sheet feeding apparatus comprising:
  - a first detector for detecting presence/absence of a sheet;
  - 5 a second detector capable of being electrically switched between a detection possible condition that the presence/absence of the sheet can be detected and a detection impossible condition that the presence/absence of the sheet cannot be detected; and
  - 10 a controller for changing said second detector to the detection impossible condition even when said first detector is in a detection possible condition.
2. An original feeding apparatus comprising:
  - 15 a first detector for detecting presence/absence of an original;
  - a second detector capable of being electrically switched between a detection possible condition that the presence/absence of the original can be detected and a detection impossible condition that the presence/absence of the original cannot be detected;
  - 20 and
  - a controller for changing said second detector to the detection impossible condition even when said first detector is in a detection possible condition.
- 25 3. An original feeding apparatus according to

claim 2, further comprising an original tray on which the original is rested, and wherein said first detector detects whether the original is rested on said original tray or not.

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4. An original feeding apparatus according to  
claim 3, further comprising a discharge tray on which  
the original fed from said original tray and subjected  
to image reading is rested, and a convey path through  
10 which the original is conveyed from said original tray  
to said discharge tray, and wherein said second  
detector is provided in said convey path.

5. An original feeding apparatus according to  
15 claim 2, wherein said controller changes said second  
detector to the detection possible condition in  
response to the fact that presence of the original is  
detected by said first detector.

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6. An original feeding apparatus according to  
claim 5, further comprising a discharge tray on which  
the original fed from said original tray and subjected  
to image reading is rested, and wherein, after said  
second detector is changed to the detection possible  
25 condition, said controller changes said second detector  
to the detection impossible condition in response to  
the fact that absence of the original is detected by

said first detector before an image reading operation is started.

7. An original feeding apparatus according to  
5 claim 5, further comprising a discharge tray on which the original fed from said original tray and subjected to image reading is rested, and wherein, after said second detector is changed to the detection possible condition, said controller changes said second detector  
10 to the detection impossible condition in response to the fact that all originals rested on said original tray are discharged onto said discharge tray.

8. An original feeding apparatus according to  
15 claim 2, wherein said second detector includes a light emitting element and a light receiving element, and said controller stops light emitting of said light emitting element when it changes said second detector to the detection impossible condition.

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9. An original feeding apparatus according to  
claim 2, wherein said second detector includes a light emitting element and a light receiving element, and said controller reduces a light emitting amount of said  
25 light emitting element when it changes said second detector to the detection impossible condition.

10. An original feeding apparatus according to  
claim 2, further comprising a third detector for  
detecting an opening/closing condition of said original  
feeding apparatus, and wherein said third detector  
5 always detects the opening/closing condition regardless  
of the detection of the original by means of said first  
detector and informs an image forming apparatus of a  
detected result.

10 11. An original feeding apparatus according to  
claim 2, wherein said first detector includes a light  
emitting element and a light receiving element.

12. An original feeding apparatus according to  
15 claim 11, wherein said light emitting element is an LED  
and said light receiving element is a phototransistor.